CHEMELECTROCHEM

Supporting Information

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Proof of Concept of the Electrochemical Sensing of 3-Iodothyronamine (T_1AM) and Thyronamine (T_0AM)

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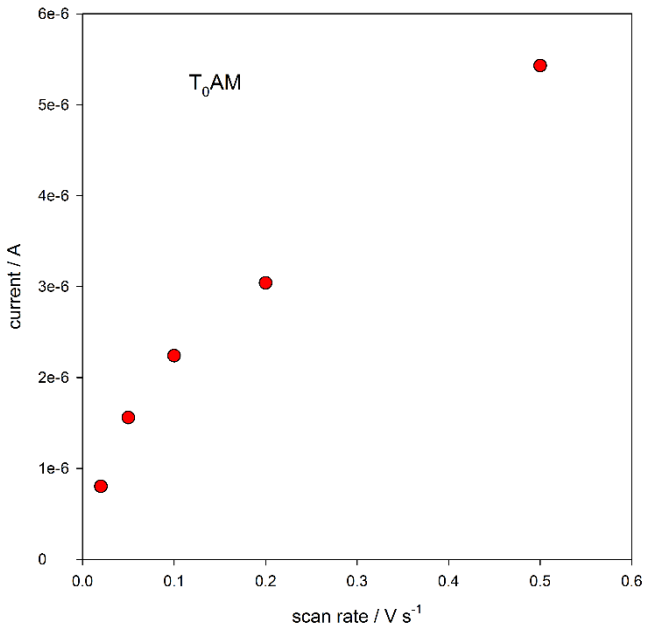
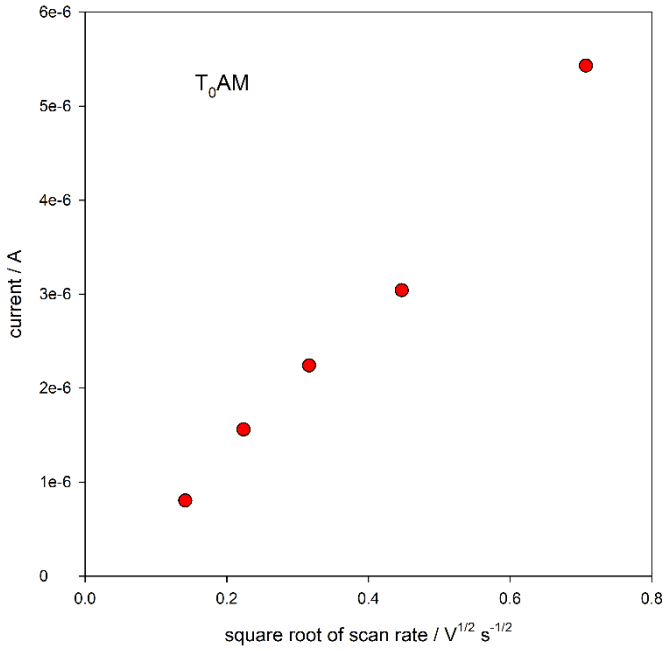
celc_201402165_sm_miscellaneous_information.pdf

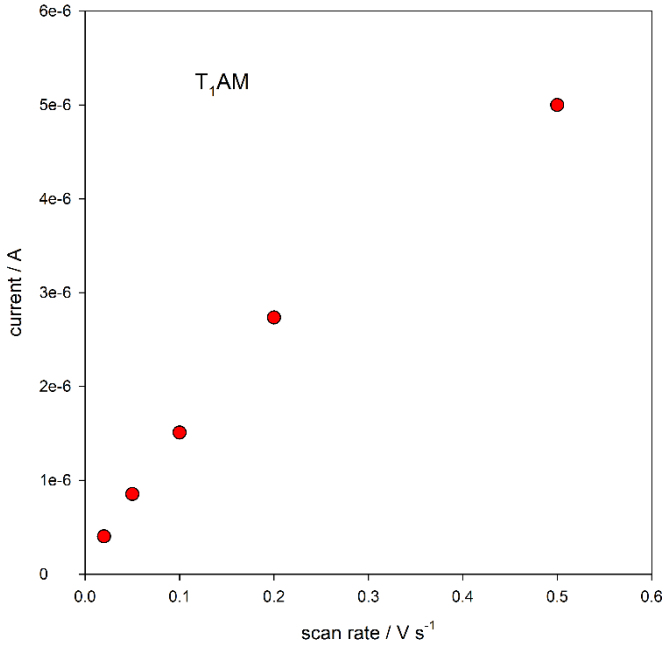
Supporting information

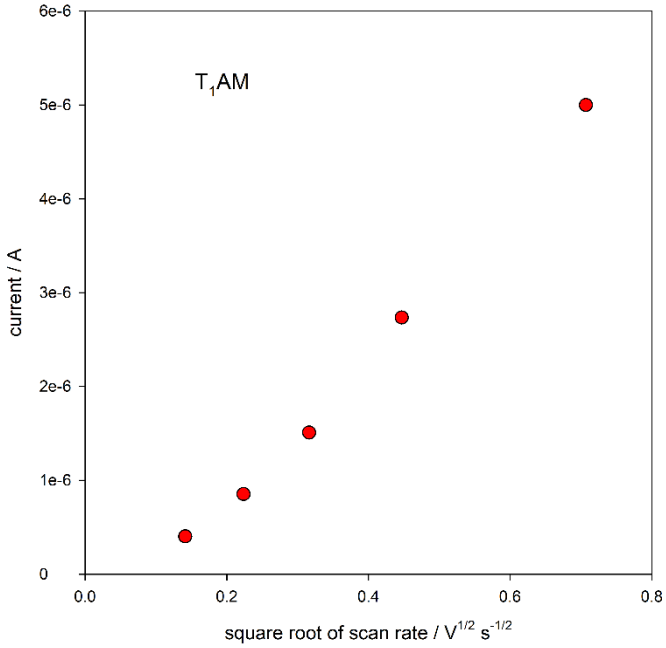
I – a) current vs scan rate and b) current vs square rate of scan rate





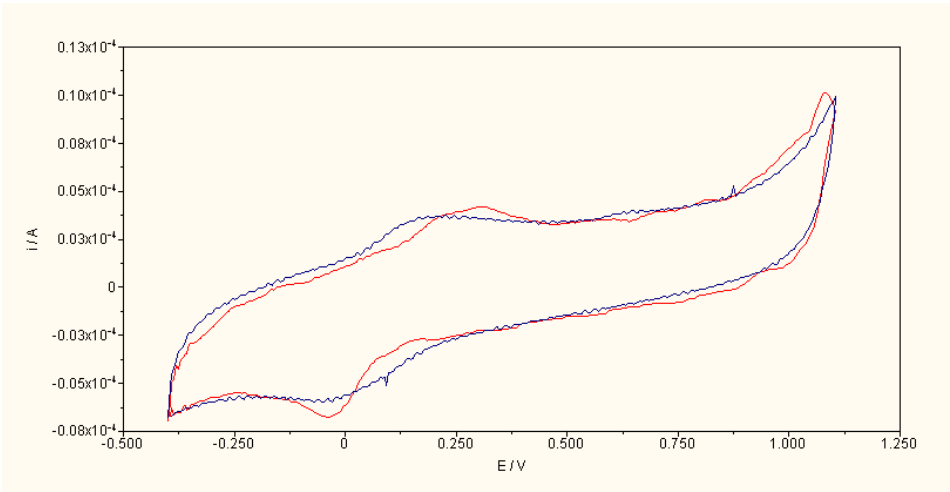
0.153 mM of T_0AM on a GCE



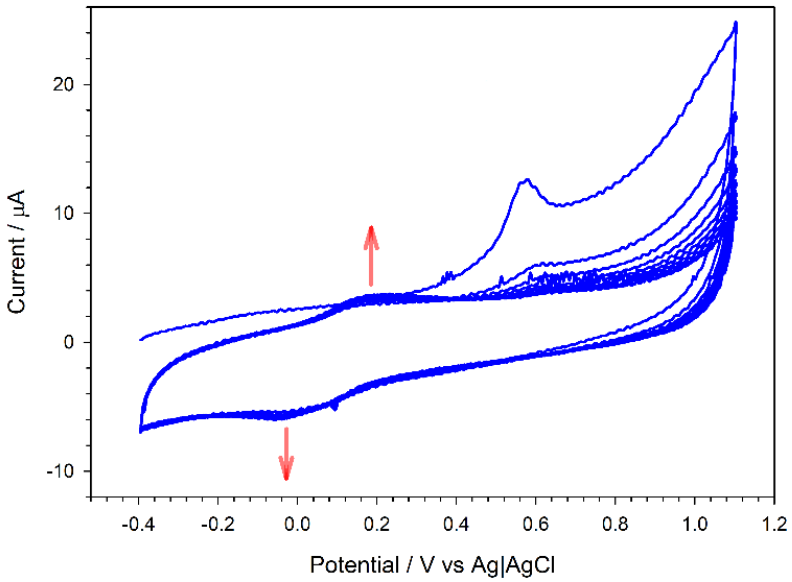


0.174 mM of T_1AM on a GCE

II – Benzoquinone



Blue is the 10th scan of the figure below and red is benzoquinone. Both are done at 1000 mV/s.



Cyclic voltammograms of aqueous phosphate buffer solution (pH 7) containing 0.174 mM of T_1AM on a GCE, cyclic voltammetry was run between 0.0 and +1.0 V vs. Ag|AgCl at different scan rates. Sequential cyclic voltammograms at 1000 mV/s showing the appearance of a reductive and an oxidative peak around 0.0 and +0.2 V vs. Ag|AgCl, respectively.